

N C National Guard - Lexington
Army

UNDERGROUND STORAGE TANK CLOSURE REPORT

The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

Adjutant General of North Carolina

RECEIVED
N.C. Dept. of EHNR

2. Owner address and telephone number:

4105 Reedy Creek Road
Raleigh, North Carolina 27607
(919) 664-6183

JUL 17 1996

Winston-Salem
Regional Office

B. Facility Information

1. Facility name:

National Guard Armory

2. Facility ID #:

3. Facility address, telephone number and county:

201 West Ninth Avenue
Lexington, North Carolina 27292
Davidson County

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Mr. Todd Preddy
Environmental Projects Coordinator
Office of the Adjutant General
4105 Reedy Creek Road
Raleigh, North Carolina 27607
(919) 664-6183

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2. Name, address and telephone number of closure contractor:

SPATCO Environmental, Inc.
556-A Arbor Hill Road
Kernersville, North Carolina 27284
(910) 996-0573

3. Name, address and telephone number of primary consultant:

Michael D. Shaw, P.G.
SPATCO Environmental, L.L.P.
4800 North Graham Street
Charlotte, North Carolina 28231
(800) 873-1250

4. Name, address, telephone number, and State certification number of laboratory:

Hydrologic, Inc.
1491 Twilight Trail
Frankfurt, Kentucky 40601
(800) 728-2251
NC 399

D. UST Information

Tank no.	Installation dates	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (if any)
1	unknown	6,000	8'0" x 16'0"	#2 fuel oil	---

E. Site Characteristics

1. Describe any past releases at this site: According to Sgt. Morrison, there have not been any known past releases at this site.
2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation: The facility is currently an active National Guard Armory.
3. Describe surrounding property use (for example, residential, commercial, farming, etc.): The surrounding property is commercial and residential.
4. Describe site geology/hydrogeology: The site is located on the border of the Charlotte Belt, which consists of heated and deformed volcanic and sedimentary rocks, and the Carolina Slate Belt, which consists mostly of igneous rocks, such as granite, diorite, and gabbro (Brown, et. al., 1985). Groundwater was not encountered during the excavation.

II. Closure Procedures

- A. **Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks:** Prior to the UST removal, a Notification of Intent for Permanent Closure (GW/ UST-3) was submitted to the North Carolina Department of Environment, Health and Natural Resources, Winston-Salem Regional Office by SPATCO Environmental on April 15, 1996. The City of Lexington Fire Department permits were obtained prior to UST removal.
- B. **Note the amount of residual material pumped from the tank(s):** The UST contained less than 1 % total volume prior to removal date.
- C. **Describe the storage, sampling and disposal of the residual material:** N/A
- D. **Excavation**
Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" on limiting excavations. The Trust Fund will not pay for excessive excavation unless it is justified and verified by laboratory results.
1. **Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:** Just enough soil was removed to allow access to the UST for removal. There was not a petroleum odor associated with this soil, and it was used as backfill.
 2. **Note the depth of tank burial(s) (from land surface to top of tank):** The top of the USTs were buried approximately three feet below land surface.
 3. **Quantity of soil removed:** No soil was removed from the site as part of the UST removal activities.
 4. **Describe soil type(s):** The soils at the site were primarily a red clay with a trace of silt.
 5. **Type and source of backfill used:** The excavation was backfilled with native soil from the excavation and additional fill dirt from Comer Trucking of Lexington, NC.

E. Contaminated Soil

Note: Suspected contaminated soil should be segregated from soil that appears to be uncontaminated and should be treated as contaminated until proven otherwise. It should not be used as backfill.

1. Describe how it was determined to what extent to excavate the soil: N/A
2. Describe method of temporary storage, sampling and treatment/disposal of soil:
N/A

III. Site Investigation

A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s): An Organic Vapor Analyzer (OVA) was used to screen field samples. The OVA was calibrated on April 23, 1996, using the methane gas method. Field screening data is presented in Table 1.

B. Describe soil sampling points and sampling procedures used, including:

Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.

- **Location of samples:** A total of two soil samples were collected during UST removal activities. Soil samples S-1, and S-2 were taken from along the ends of the concrete anchor pad on which the former UST was placed. Soil sampling locations are illustrated on Figure 2.
- **Type of samples (from excavation, stockpiled soil, etc.):** Soil samples were collected from undisturbed soil from within the excavation, along the ends of the concrete anchor pad on which the former UST was placed.
- **Sample collection procedures (grab, split spoon, hand auger, etc.):** Soil samples S-1, and S-2 were obtained from the undisturbed soil within the excavator bucket.
- **Depth of soil samples (below land surface):** Soil samples S-1, and S-2 were collected approximately twelve feet below land surface.
- **Whether samples were taken from side or floor of an excavation:** Soil samples S-1, and S-2 were collected from the floor of the UST excavation, along the ends of the concrete pad on which the former UST was placed.
- **Sample identification:** Soil samples S-1, and S-2, collected during the UST removal, were labelled with letters and numbers.

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- **Sample analyses:** The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 using a 3550 sample preparation and Total Petroleum Fuel Hydrocarbons (TPFH) by EPA Method 8015 using a 5030 sample preparation. Sample analyses are presented in Table 2.
- C. **Describe groundwater or surface water sampling procedures used, including:**
 - Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.*
 - **Location of samples:** N/A
 - **Sample collection procedures (grab, bailer, etc.):** N/A
 - **Sample identification:** N/A
 - **Sample analyses:** N/A
- D. **Quality control measures :**
 - **Describe sample handling procedures including sample preservation and transportation:**

After collection, the soil samples were split into two representative portions. The first portion was sealed in a polyethylene bag for at least fifteen minutes to allow any petroleum hydrocarbons to volatilize. The head space of each bagged sample was screened using an organic vapor analyzer (OVA). Head space screening data are included in Table 1. The second portion of each sample was placed in a laboratory supplied glass container and sealed with a Teflon[®] lined cap. Samples were stored in an iced cooler and maintained at 4° Celsius. They were delivered using proper chain-of-custody procedures to Hydrologic, Incorporated. The soil samples were submitted in accordance with the North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) specifications for TPH analysis by EPA Method 8015 using a 3550 sample preparation and TPFH analysis by EPA Method 8015 using a 5030 sample preparation.
 - **Describe decontamination procedures used:** N/A
 - **Describe time and date samples were collected and date submitted to lab:** Soil samples were collected on May 22, 1996 and submitted for laboratory analyses on that same day.
 - **Describe samples collected for quality control purposes (e.g. duplicates, field blanks, trip blanks, etc.) Include methods used to obtain these samples and analytical parameters:** N/A
 - **Discuss how results of quality control samples may have affected your interpretation of soil, groundwater or surface water samples:** N/A
- E. **Investigation results**
 - **Describe results of Site Sensitivity Evaluation (SSE), (if SSE was not conducted, explain why not):** Because TPH and TPFH concentrations encountered in the soil were below the NCDEHNR

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Action Limits, a Site Sensitivity Evaluation (SSE) was not performed.

- **Describe methods of analyses used (include U.S. EPA method number):** Soil samples collected were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 using a 3550 sample preparation and Total Petroleum Fuel Hydrocarbons (TPFH) by EPA Method 8015 using a 5030 sample preparation. Sample analyses and preparations are presented in Table 2.
- **Describe analytical results for samples; discuss in relation to site specific cleanup level or action level, as appropriate:** Laboratory analysis indicate that soil samples S-1 and S-2 did not contain detectable TPH concentrations. Laboratory analysis indicate that soil samples S-1 and S-2 did not contain detectable TPFH concentrations. Laboratory analytical results are summarized in Table 3. Complete chain-of-custody records and a copy of laboratory analytical results are presented in Appendix E and Appendix F, respectively.


The North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) Action Level for TPFH is 10 parts per million. The NCDEHNR Action Level for TPH is 40 parts per million. Laboratory analyses indicate that soil samples did not contain concentrations above the NCDEHNR Action Levels.

IV. Conclusions and Recommendations

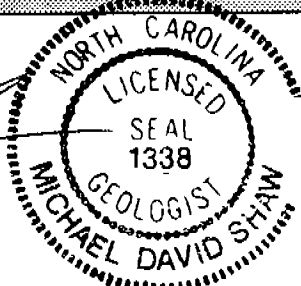
Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required:

Laboratory analysis of soil samples collected during the removal procedures indicate that the soil samples did not contain detectable TPH and TPFH concentrations. SPATCO Environmental, Incorporated anticipates that no further assessment activities will be required at this site.

V. Signature of Professional Engineer or Licensed Geologist



Michael D. Shaw, P.G.
N.C. 1338



- ☐ Professional Engineer Registration #:
☒ Licensed Geologist License #: 1338

VI. Enclosures

A. Figures

1. Area Map(s) (can be USGS Topographic Quadrangle) showing:
 - Adjacent streets, roads, highways with names and numbers
 - Buildings
 - Known distance to public water supply well(s)
 - Distance to known private water supply well(s)
 - Surface water bodies
 - Groundwater flow direction (if available)
 - Scale
 - North arrow
2. Site map of UST excavation area drawn to scale, showing:
 - Buildings
 - Underground utilities such as sewer lines and other conduits
 - Orientation of UST(s), pumps, and product lines
 - Length, diameter and volume of USTs
 - Type of material(s) stored in USTs (currently and previously)
 - Sample locations (identified by letter or number)
 - Final limits of excavation
 - North arrow
 - Scale
3. Maps depicting analytical results, to include:
 - Orientation of UST(s), pumps, and product lines
 - Sample locations, depths, and identifications
 - Analytical results
 - Final limits of excavation(s)

B. Tables

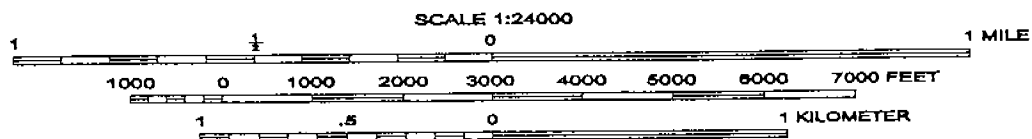
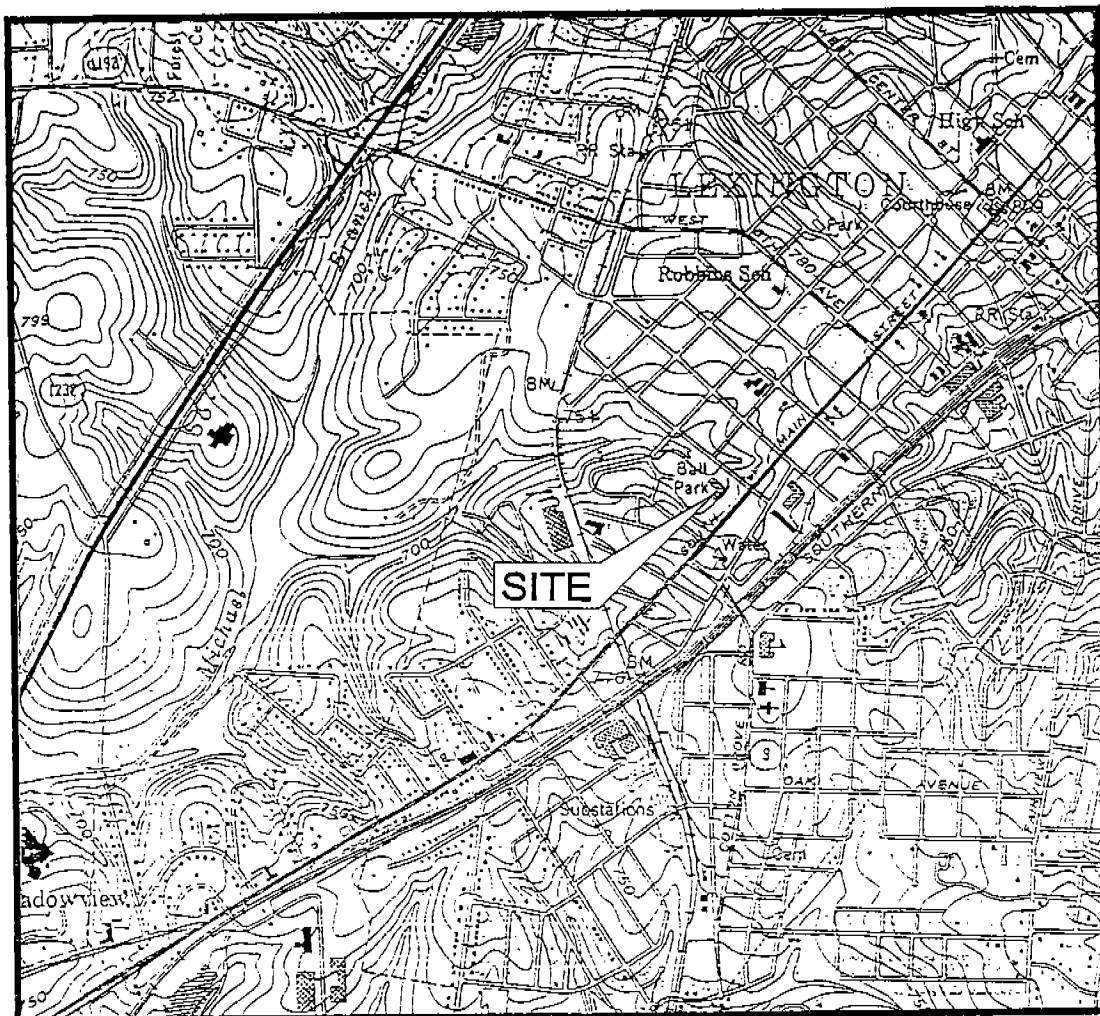
1. Field Screening Results
2. Sample Identifications Depths & Analyses
3. Soil Sample Analytical Results

C. Appendices

- | | |
|-------------|---------------------------------------------------------------------------------------|
| Appendix A: | Notification of intent to close (GW/UST-3) |
| Appendix B: | Site Investigation Report for Permanent Closure or Change-in-Service of UST(GW/UST-2) |
| Appendix C: | Certificate of tank disposal |
| Appendix D: | Soil, water, sludge disposal manifests Not applicable |
| Appendix E: | Complete chain-of-custody records |
| Appendix F: | Copy of all laboratory analytical records |
| Appendix G: | Site Sensitivity Evaluation (SSE) (if applicable) Not applicable |
| Appendix H: | Photographs of Closure Activities (optional) |
| Appendix I: | Geologic logs for excavation(s) |

U.S.G.S. TOPOGRAPHIC MAP

LEXINGTON WEST



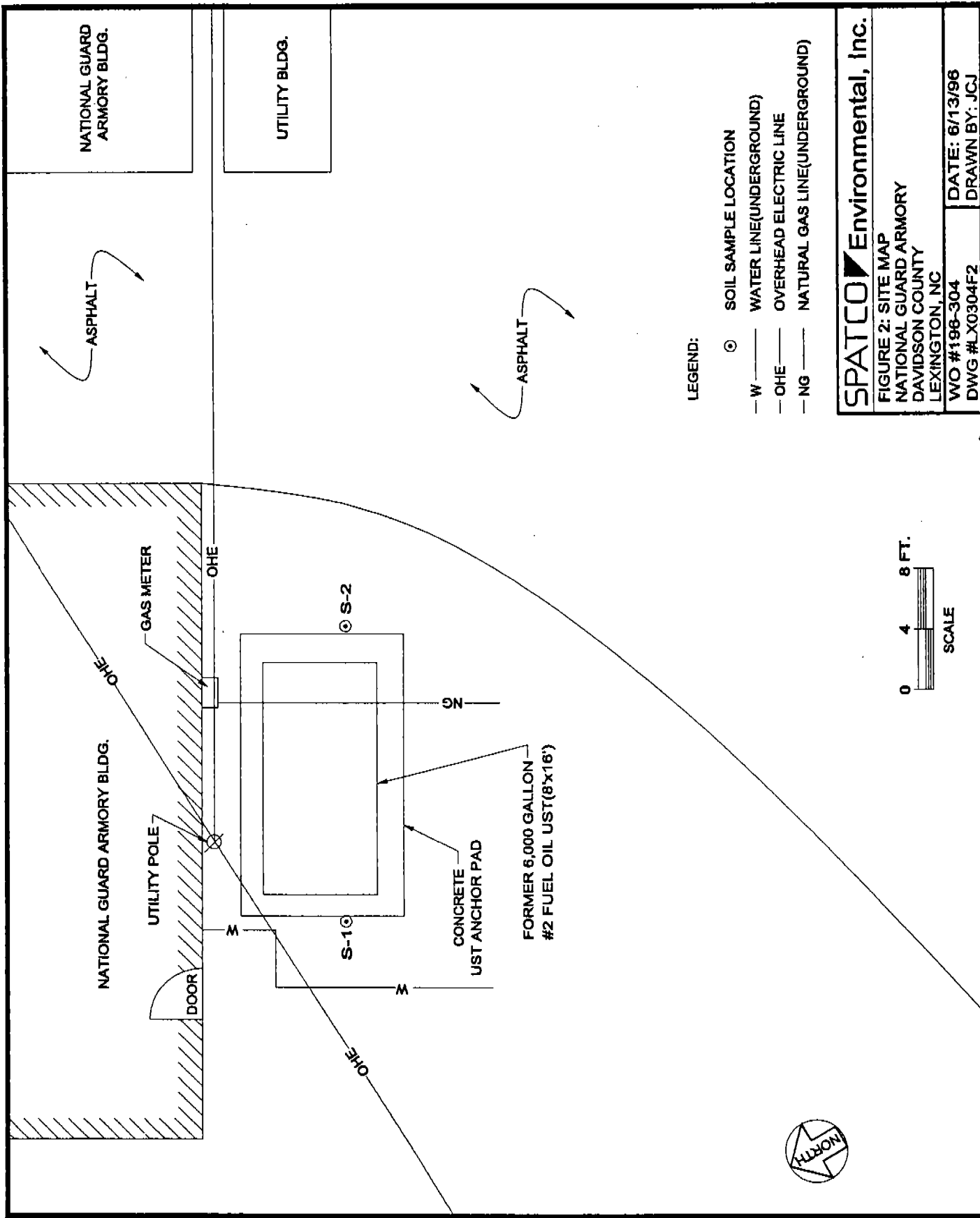
QUADRANGLE LOCATION

SPATCO Environmental, Inc.

FIGURE 1: SITE LOCATION MAP
NATIONAL GUARD ARMORY
201 WEST NINTH AVENUE
LEXINGTON, NC

WO # 198-304
DWG # NG0304F1

DATE: 6/10/96
DRAWN BY: DWT



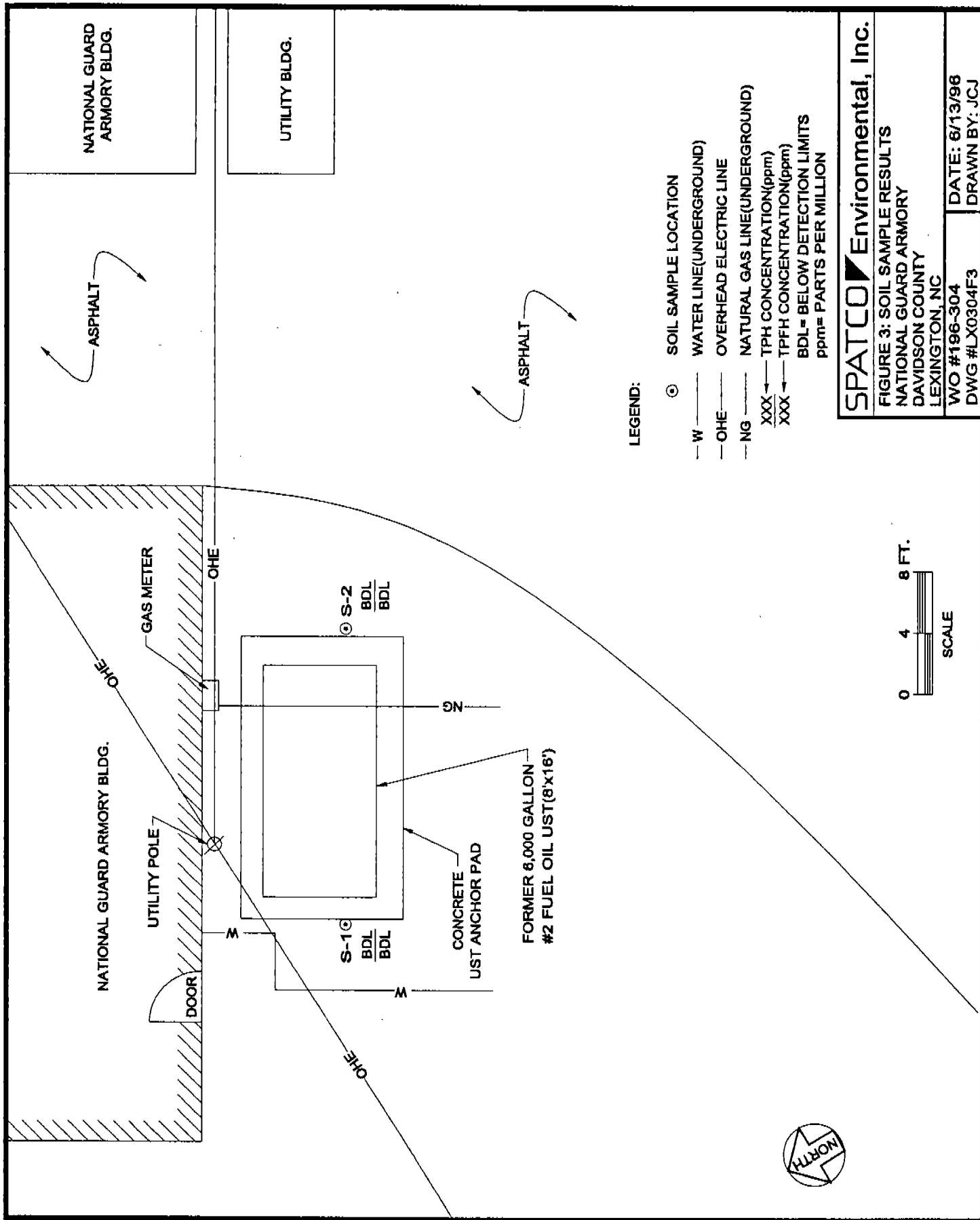


Table 1: Field Screening Results

National Guard Armory 201 West Ninth Avenue Davidson County Lexington, North Carolina 27292 SPATCO Project Number 196-304 Sample Date: May 22, 1996	
Sample #	OVA Reading (ppm)
S-1	0.2
S-2	0.2

ppm = parts per million

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Table 2: Sample Identification, Sample Depth and Analysis

National Guard Armory 201 West Ninth Avenue Davidson County Lexington, North Carolina 27292 SPATCO Project Number 196-304 Sample Date: May 22, 1996		
Sample #	Sample Depth (feet)	Analysis EPA Method (Preparation Method)
S-1	12	8015 (5030, 3550)
S-2	12	8015 (5030, 3550)

Table 3: Soil Sample Analytical Results

National Guard Armory 201 West Ninth Avenue Davidson County Lexington, North Carolina 27292 SPATCO Project Number 196-304			
Sample #	Date Sampled	TPH (ppm)	TPFH (ppm)
S-1	5-22-96	BDL	BDL
S-2	5-22-96	BDL	BDL

ppm = parts per million

BDL = Below Detection Limits

GW/UST-3 Notice of Intent: UST Permanent Closure or Change-In-Service

FOR
TANKS
IN
NC

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only
I. D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return five (5) working days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: Adjutant General of NC
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 4105 Reedy Creek Rd
County: _____
City: Raleigh State: NC Zip Code: 27607
Tele. No. (Area Code): (919) 664-6183

II. LOCATION OF TANK(S)

Facility Name or Company: National Guard
Facility ID # (if available): _____
Street Address or State Road: 201 West 9th Avenue
County: Davidson City: Lexington Zip Code: _____
Tele. No. (Area Code): (704) 246-2798

III. CONTACT PERSON

Name: Mr. Todd Preddy Job Title: _____ Telephone Number: (919) 664-6183

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

1. Contact Local Fire Marshall.
2. Plan the entire closure event.
3. Conduct Site Soil Assessments.
4. If Removing Tanks or Closing in Place refer to API Publications 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
7. The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After January 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.
8. Keep closure records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: SPATCO Environmental, Inc.
Address: 556-A Arbor Hill Rd. K'ville State: North Carolina Zip Code: 27284
Contact: Randall Shreve Phone: (910) 996-0573
Primary Consultant: SPATCO Environmental, LLP Phone: (800) 873-1250

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE	CHANGE-IN-SERVICE	
			Removal	Abandonment In Place	New Contents Stored
1	6,000	#2 Fuel Oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title
Randall Shreve, Site Supervisor
Signature: *Randall Shreve* *Scheduled Removal Date: 4/22/96
Date Submitted: 4/15/96

*If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

MECHANICAL COMMERCIAL
PERMIT #: 96-00590 MASTER PERMIT #: -
DATE ISSUED 05/22/96
PROJECT #: 96- BY CITY OF LEXINGTON REF #:
PROJECT ADDRESS: WEST NINTH AVENUE 201
SUBDIVISION: LOT #:
BLK #:
OWNER NAME: NATIONAL GUARD ARMORY PHONE: ()- -
ADDRESS: 201 WEST NINTH AVENUE
CITY: LEXINGTON STATE: NC ZIP: 27292
CONTRACTOR: JOHN B. PETERS PHONE: (919)-996-0573
ADDRESS: 556-A ARBOR HILL ROAD
CITY: KERNERSVILLE STATE: NC ZIP: 27289
ENGINEER:
DESIGNER:
PROP. USE:
WORK: REMOVAL OF ONE 6,000 GALLON HEATING OIL TANK
DESC:

VALUATION: 0.00	FEE DUE: 20.00
	FEE PAID: 20.00
SPECIAL CONDITIONS:	WORK CLASS: NEW SQ. FTG: 0
	FIRE ZONE: N/A OCCUP TYPE: B
	USE ZONE: CONST TYPE:

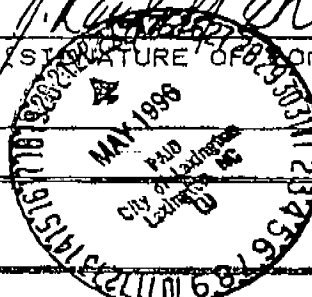
APPLICATION ACCEPTED BY W.P.	PLANS CHECKED BY	APPROVED FOR ISSUANCE BY
---------------------------------	------------------	--------------------------

***** NOTICE *****

THIS PERMIT BECOMES NULL AND VOID IF WORK OR CONSTRUCTION AUTHORIZED IS NOT COMMENCED WITHIN 6 MONTHS, OR IF CONSTRUCTION OR WORK IS SUSPENDED, OR ABANDONED FOR A PERIOD OF 6 MONTHS AT ANY TIME AFTER WORK IS STARTED.

I HEREBY CERTIFY THAT I HAVE READ AND EXAMINED THIS DOCUMENT AND KNOW THE SAME TO BE TRUE AND CORRECT. ALL PROVISIONS OF LAWS AND ORDINANCES GOVERNING THIS TYPE OF WORK WILL BE COMPLIED WITH WHETHER SPECIFIED HEREIN OR NOT. GRANTING OF A PERMIT DOES NOT PRESUME TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF ANY OTHER STATE OR LOCAL LAW REGULATING CONSTRUCTION OR THE PERFORMANCE OF CONSTRUCTION.

[Signature] SPATCO Env. Inc. 5, 22, 96
(SIGNATURE OF CONTRACTOR OR AUTHORIZED AGENT) DATE
[Signature] 8, 22, 96
(APPROVED BY) DATE



GW/UST-2

Site Investigation Report For Permanent Closure or Change-in-Service of U.S.T.

FOR
TANKS
IN
NC

Return Completed Form To:

The appropriate DEM Regional Office according to the county of the facility's location.
(SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL
OFFICE ADDRESS).

State Use Only

I.D. Number _____

Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

Owner Name: Adjutant General of North Carolina

(Corporation, Individual, Public Agency, or Other Entry)

Street Address: 4105 Reedy Creek Road

County: Wake

City: Raleigh State: NC Zip Code: 27607

Telephone Number: (919) 664-6183

(Area Code)

II. Location of Tank(s)

Facility Name: National Guard Armory

(or Company)

Facility ID # (if available): N/Available

Street Address 201 West Ninth Street

(or State Road)

County: Davidson City: Lexington Zip Code: 27292

Telephone Number: (704) 246-2798

(Area Code)

III. Contact Person

Name: Mr. Todd Preddy

Job Title: Environmental Projects Coordinator Tel. No.: (919) 664-6183

Closure Contractor: SPATCO Environ., Inc. L.L.P.

Address: 556-A Arbor Hill Road, Kernersville, NC 27284 Tel. No.: (910) 996-0573

Primary Consultant: SPATCO Env., Inc.

Address: 4800 Graham St. Charlotte, NC 28215 Tel. No.: (800) 873-1250

Lab: Hydrologic, Inc.

Address: 1491 Twilight Trail, Frankfort, KY 40601 Tel. No.: (800) 728-2251

IV. U.S.T. Information

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	6,000	8' x 16'	#2 Fuel Oil		X		X		X

VI. Additional Information Required

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

NOTE: The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan. 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

VII. Check List (Check the activities completed)

PERMANENT CLOSURE (For Removing or Abandoning-in-place)

- ☒ Contact local fire marshal.
☒ Notify DEM Regional Office before abandonment.
☒ Drain & flush piping into tank.
☒ Remove all product and residuals from tank.
☒ Excavate down to tank.
☒ Clean and inspect tank.
☒ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
☒ Cap or plug all lines except the vent and fill lines.
☒ Purge tank of all product & flammable vapors.
☒ Cut one or more large holes in the tanks.
☒ Backfill the area.
Date Tank(s) Permanently closed: May 22, 1996
Date of Change-in-Service: _____

ABANDONMENT IN PLACE

- ☐ Fill tank until material overflows tank opening.
☐ Plug or cap all openings.
☐ Disconnect and cap or remove vent line.
☐ Solid inert material used - specify: _____

REMOVAL

- ☒ Create vent hole.
☒ Label tank.
☒ Dispose of tank in approved manner.
Final tank destination: Southern Tank & Environ. Inc. 319 Lawyers Rd. Indian Trail, NC

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative

Bob Callinan, SPATCO Env. Inc. L.L.P. Staff Geo.

Signature

Bob Calli

Date Signed

6-21-96

SOUTHERN TANK & ENVIRONMENTAL, INC.

CERTIFICATE OF DISPOSAL

FEDERAL/CERTIFICATE # 56-1669418/10573 DATE 5/23/96

CONTRACTOR

SPATCO Environmental, Inc

556-A Arbor Hill Road

Kernersville, N.C. 27284

RECEIVED MAY 28 1996

LOCATION

National Guard Armory

Lexington, N.C.

TYPE OF TANK

UST 6,000 gallon

SIZE

8' x 16'

CONTENT IN GAL.

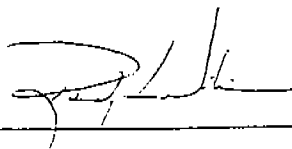
Less than 1%

TANK ID#

STDS-5172

Southern Tank & Environmental, Inc. certifies that the above mentioned tanks have been properly disposed of at 319 Lawyers Rd., Indian Trail, NC, and the contents and sludges processed in full compliance with Local, State and Federal regulations.

Southern Tank & Environmental, Inc.



Randy L. Williams

F1968276

96-1643

TELEPHONE NO. (910) 996-0573

<input type="checkbox"/>	PRESERVED
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1996

RECEIVED JUN

Relinquished by: (Signature)	<i>William Westerman</i>	Received by: (Signature)	<i>Bill Haeberly</i>
Relinquished by: (Signature)	<i>Bill Haeberly</i>	Received by: (Signature)	<i>Bill Haeberly</i>
Dispatched by: (Signature)	<i>Bill Haeberly</i>	Received for Laboratory by:	<i>Bill Haeberly</i>
Method of Shipment:	<i>Pickup</i>		

RECEIVED

DATE 5/22/96 TIME 3:15

DATE 5/22/96 TIME 11:00

DATE 5-23-96 TIME 11:00

HYDROLOGIC, INC.

May 29, 1996

REPORTING:

HydroLogic-Morris., Inc.
2500 Gateway Centre
Suite #900
Morrisville, NC 27560

INVOICING:

HydroLogic-Morris., Inc.
2500 Gateway Centre
Suite #900
Morrisville, NC 27560

PROJECT NUMBER: FL968276

DATE COMPLETED: May 29, 1996

DATE RECEIVED: May 23, 1996

RECEIVED JUN - 6 1996

PROJECT DESCRIPTION:

Spatco Env.--2 soil samples analyzed for TPH 3550/5030.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to contact Jamie Fore. We appreciate your business and look forward to serving you again soon.

Respectfully,



Walter Hogg
QA/QC Officer

HYDROLOGIC, INC.

COMPANY NAME: HydroLogic-Morris., Inc.
COMPANY PROJECT NUMBER: Spatco Env.
HYDROLOGIC PROJECT NUMBER: FL968276
HYDROLOGIC LAB I.D.#: 399
HYDROLOGIC SAMPLE NUMBER: 968276
SAMPLE IDENTIFICATION: S-1
DATE SAMPLED: 5/22/96
DATE EXTRACTED: 5/28/96
DATE/TIME ANALYZED: 5/28/96 5/24/96

METHOD TPH 3550/5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Diesel		10.0	BDL
Surrogate Recoveries:			
Nonane			104%
Pentacosane			117%
Gasoline		2.0	BDL
Surrogate Recovery:			
BFB			97%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: HydroLogic-Morris., Inc.
COMPANY PROJECT NUMBER: Spatco Env.

HYDROLOGIC PROJECT NUMBER: FL968276
HYDROLOGIC LAB I.D.#: 399
HYDROLOGIC SAMPLE NUMBER: 968277
SAMPLE IDENTIFICATION: S-2
DATE SAMPLED: 5/22/96
DATE EXTRACTED: 5/28/96
DATE/TIME ANALYZED: 5/28/96 5/24/96

METHOD TPH 3550/5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Diesel		10.0	BDL
Surrogate Recoveries:			
Nonane			105%
Pentacosane			107%
Gasoline		2.0	BDL
Surrogate Recovery:			
RFB			100%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

GEOLOGIC LOG

DATE: 5-22-96

JOB NAME: National Guard Armory

ADDRESS: 201 West Ninth Avenue
Lexington, NC

[illegible]